

AOS - 6025

# *National Environmental Achievement Track*

## *Application Form*

United Waste Water Services, Inc.  
Name of facility

\_\_\_\_\_  
Name of parent company (if any)

11807 Reading Road  
Street address

\_\_\_\_\_  
Street address (cont.)

Cincinnati Ohio 45241  
City/State/Zip code

Give us information about your contact person for the  
National Environmental Achievement Track Program.

Name David J. Weber

Title Environmental Health & Safety Mgr.

Phone 513 - 733 - 4666

Fax 513 - 786 - 6714

E-mail dweber uwws@aol.com

***Why do we need this information?***

EPA needs background information on your facility to evaluate your application.

***What do you need to do?***

- Provide background information on your facility.
- Identify your environmental requirements.

# Section A

*Tell us about your facility.*

1 What do you do or make at your facility?

united is a Non-hazardous  
centralized waste treatment  
facility that pre-treats  
industrial wastestreams  
prior to disposal (ultimate)

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC

4953

NAICS

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☒ Yes

☐ No

4 How many employees (full-time equivalents) currently work at your facility?

☒ Fewer than 50

☐ 50-99

☐ 100-499

☐ 500-1,000

☐ More than 1,000

## Section A, continued

5 Does your facility have an EPA ID number(s) ?

☒ Yes ☐ No

If yes, list in the right-hand column.

04D0107649

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right or enclose a completed Checklist with your application.

- permits and Registration of Air Pollution Sources
- Disposal requirements for special wastes
- SPC
- Determination of Reportable Quantities for Haz. Substances
- General pretreatment Regs for existing and new sources - water quality stand.
- Permit Monitoring Reporting requirement
- oil Discharge control & cleanup

7 Check the appropriate box in the right-hand column.

☒ I've listed the requirements above.

☐ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

- Privately owned & operated
- Has been ISO approved since Sept. 1998
- was 1<sup>st</sup> centralized waste Treatment Facility registered in United States

*Why do we need this information?*

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

*What do you need to do?*

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

# Section B

*Tell us about your EMS.*

- 1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

a. Environmental policy \_\_\_\_\_ ☒ Yes

b. Planning \_\_\_\_\_ ☒ Yes

c. Implementation and operation \_\_\_\_\_ ☒ Yes

d. Checking and corrective action \_\_\_\_\_ ☒ Yes

e. Management review \_\_\_\_\_ ☒ Yes

- 2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

- 3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

- 4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☐ Self-assessment

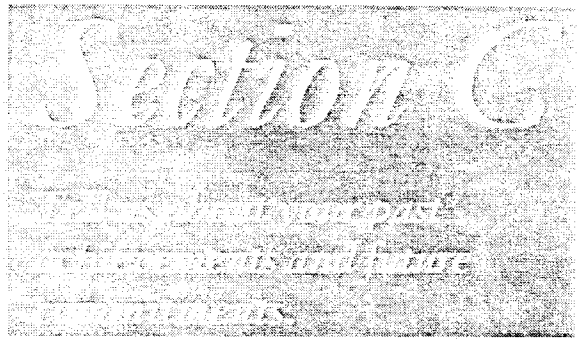
☐ GEMI ☐ Other

☐ CEMP \_\_\_\_\_

☐ Third-party assessment

☒ ISO 14001 Certification

☐ Other \_\_\_\_\_



### Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

### What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

### First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Energy Usage (Natural gas)	+ 12 %	BTU	- 10 %	BTU
<p>i. How is the current level an improvement over the previous level?</p> <p>United instituted The ISO 14001 program in summer of 1998. At that time, Natural gas usage was up 12% over the previous year - After 2 years of reduction strategies - usage down 10% to previous year.</p> <p>ii. How did you achieve this improvement?</p> <p>United implemented a better waste pre-treatment and segregation program to reduce its overall dependance on the facility boiler.</p>				

**Second aspect you've selected**

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
<p>i. How is the current level an improvement over the previous level?</p> <p>_____</p> <p>_____</p> <p>_____</p>				
<p>ii. How did you achieve this improvement?</p> <p>_____</p> <p>_____</p> <p>_____</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

**Note to small facilities:** If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

**First aspect you've selected**

a. What is the aspect?

b. Is this aspect identified as significant in your EMS?

☐ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☐ Option A: Absolute value \_\_\_\_\_ (Quantity/Units)

☐ Option B: In terms of units of production or output \_\_\_\_\_ (Quantity/Units)

# Section C

*Tell us about your past achievements and future commitments.*

## Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

## What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

## First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Energy usage (electricity)	+35%	kwh	+29%	kwh

i. How is the current level an improvement over the previous level?

United instituted the ISO 14001 program in Summer of 1998. At that time, electric usage was up 35% to the previous baseline. In 1999, usage totals were down 19% and two years later electric totals were down 6% to 1998, despite adding new equipment which needs large amounts of electricity to operate.

ii. How did you achieve this improvement?

United did a better job of segregating its waste prior to pre-treatment in addition to implementing energy saving measures.

## Section C, continued

### Second aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
i. How is the current level an improvement over the previous level?				
ii. How did you achieve this improvement?				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

\* **Note to small facilities:** If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

### First aspect you've selected

a. What is the aspect?

Water Use

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☐ Option A:  
Absolute value

140,000 Gall/mo  
(Quantity/Units)

☐ Option B:  
In terms of  
units of production  
or output

(Quantity/Units)



**Table 4.3.3 (a)**  
**Objectives and Targets**  
**(Significant Aspects)**

<b>Environmental Aspect Group</b>	<b>Objective</b>	<b>Target</b>	<b>Deadline</b>
Sewer discharges	Meet or exceed regulatory requirements for MSD wastewater permit MIL-233	PH: 6-10 s.u. cadmium: 6.0 mg/l chromium: 10.0 mg/l copper: 10.0 mg/l lead: 6.0 mg/l mercury: 0.02 mg/l nickel: 10.0 mg/l zinc: 10.0 mg/l cyanide T: 15.0 mg/l cyanide A: 3.0 mg/l phenols: 50.0 mg/l oil & grease: 50.0 mg/l VSO: 450 ppm flashpoint: 140 F	See Environmental Management Table 4.3.4
Air emissions	<u>Organic compounds</u> : meet or exceed regulatory compliance with OEPA permit #'s 14-4317: (2-15k tanks) 14-4231: (2-15k tanks) 14-3425: (2-50 k tanks) (1-11k tank)	14-4317: (2.5 x 10 <sup>-6</sup> TPY) 14-4231: (2.5 x 10 <sup>-6</sup> TPY) 14-3425: 2-50k tanks: (0.00026 TPY) 14-3425 14-3425: 1-11k tank (0.00011 TPY)	Ongoing
Solid waste discharge	Ensure that each source brought into Plant #2 to be treated by industrial processes, are acceptable via TCLP test procedures	TCLP must pass 49 CFR 261 PH of material must be 3-11 s.u. Analytical must prove no PCB's	Ongoing
Transportation spills	<u>Diesel spills</u> : ensure that drivers are properly trained to minimize environmental impact <u>Truck fleet spills</u> : ensure that drivers are properly trained to minimize environmental impact	Periodically test spill prevention procedures  Periodically test spill prevention procedures	Yearly  Yearly
Water usage	Reduce site-wide water use consumption of tap water through conservation measures and other means	Re-engineer and design a water coolant system for Plant #2. Use treated wastewater for general water purposes. Re-engineer and design a water circulating system for Plant I UF system.	Oct-Nov 2000

## Section C, continued

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:  
Absolute value

85,000 Gall / mo  
(Quantity/Units)

☐ Option B:  
In terms of units  
of production  
or output

(Quantity/Units)

e. How will you achieve this improvement?

United will be implementing  
water conserving measures to use  
previously discharged water as a  
cleaner or washing agent.

### Second aspect you've selected

a. What is the aspect?

Sewer Discharges

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☐ Option A:  
Absolute value

(Quantity/Units)

☒ Option B:  
In terms of units  
of production  
or output

Ensure that we stay  
below permit  
(Quantity/Units) discharge  
levels  
Please see Attachment

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute level or in terms of units of production or output.

☐ Option A:  
Absolute value

(Quantity/Units)

☒ Option B:  
In terms of units  
of production  
or output

42.0 PPM All metals  
(Quantity/Units)

e. How will you achieve this improvement?

United will have to install  
a tertiary treatment system  
to further reduce our metals  
discharge

### *Why do we need this information?*

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

### *What do you need to do?*

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

## Section D

*Tell us about your public outreach and reporting.*

1 How do you identify and respond to community concerns?

United has designated the President or owner of the company as the point of contact for community concerns. United has made itself accessible to the public for any community concerns with community tours and outreach programs.

2 How do you inform community members of important matters that affect them?

Quarterly newsletters - Earth Day outreach programs - Community tours of facility for local schools & colleges

3 How will you make the Achievement Track Annual Performance Report available to the public?

☐ Website www.unitedwaste.com

☐ Newspaper

☐ Open Houses

☒ Other

Quarterly newsletters

## Section D, continued

4 Are there any ongoing citizen suits against your facility?

☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

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5 List references below. \* \*

	Organization	Name	Phone number
Representative of a Community/ Citizen Group			
State/Local regulator	Ohio Environmental Protection Agency	MS. Marianne Piekutowski	937-285 6108
Other community/local reference	Metropolitan Sewer District	Mr. Mike Cappel	513-537 7000

\* \* United waste water is a privately owned and operated small company of less than 50 employees. Due to this fact, we do not belong to any chamber of commerce organizations or participate in any extended community outreach programs.

# Section E

## Application and Participation Statement

On behalf of United Waste Water Svcs.  
[my facility],

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date David J. Weber 9/26/00

Printed Name/Title David J. Weber - EHS Manager

Facility Name United Waste Water Svcs, Inc.

Facility Street Address 11807 Reading Road

Facility ID Numbers 04D0107649

# ISO 14001

## Certificate of Registration

conferred upon

**United Waste Water Services, Inc.**

**Cincinnati, Ohio, USA**

Having been examined in detail for conformance to the requirements of ISO 14001, First Edition, 1996-09-01, and having been determined by Advanced Waste Management Systems, Incorporated, the Registrar, to be in conformance with all provisions of this international standard at the aforementioned location, the Environmental Management System of the facility is hereby registered to ISO 14001. The registration shall remain in effect until September 9, 2001, providing the organization maintains its Environmental Management System in accordance with the specifications of ISO 14001 and the requirements of the Registrar.

In witness whereof this Certificate of Registration is granted and the Mark of Registration and our signatures are hereunto affixed

Attested to this 9<sup>th</sup> day of September, 1998.

*Richard A. Ellis*

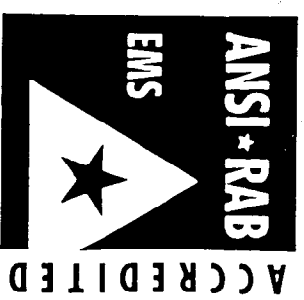
Richard A. Ellis, Ph.D.  
Arbiter of Registration

*Rick Gehlke*

Rick Gehlke  
VP Operations



Registration Number 00042



DJW/eln 11/17/00

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:  
Absolute value

85,000 gal/mo

(Quantity/Units)

☐ Option B:  
In terms of  
units of production  
or output

(Quantity/Units)

e. How will you achieve this improvement?

United will be implementing water conserving measures to use previously discharged water as a cleaner or washing agent.

## Second aspect you've selected

a. What is the aspect?

Sewer Discharges

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☐ Option A:  
Absolute value

Please see Metals  
Value Attachment

(Quantity/Units)

☒ Option B:  
In terms of  
units of production  
or output

Ensure that we stay below  
permit discharge levels  
(Quantity/Units) - Please see  
Significant Aspects Attachment

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☐ Option A:  
Absolute value

(Quantity/Units)

☒ Option B:  
In terms of  
units of production  
or output

22.0 ppm all metals per  
month \*\* see note \*\*  
(Quantity/Units)

e. How will you achieve this improvement?

United will have to install  
a tertiary treatment system  
to further reduce our metals  
discharge.

\*\*\* Note \*\*\*

DJW/ln 11/17/00

Historically, United has not had problems meeting its discharge limits for metals such as mercury or cadmium. However, as the 2000 baseline indicates, levels above 2.0 mg/l were reported for nickel, zinc and chromium. Therefore, United intends on implementing an additional treatment system to further reduce these metals to below 2.0 mg/l.



### Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

### What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

### First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Energy Usage (Natural gas)	40,668	CCF	32,908	CCF
<p>i. How is the current level an improvement over the previous level? united instituted the ISO 14001 program in summer of 1998. At that time, natural gas usage was up 12% over the previous year - After 2 years of reduction strategies - usage down 19%.</p> <p>ii. How did you achieve this improvement? united implemented a better waste pre-treatment and segregation program to reduce its overall dependance on the facility boiler.</p>				

DSW  
11/17/00

# Section D, continued

4 Are there any ongoing citizen suits against your facility?

Yes ☒ No

If yes, describe briefly in the right-hand column.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DWELN  
11/17/00

5 List references below. \* \*

	Organization	Name	Phone number
Representative of a Community/ Citizen Group Neighbor —	Applegate's Auto	Dave Applegate	513-769-1955
State/Local regulator	Ohio Environmental Protection Agency	Ms. Marianne Prokutowski	937-295 6108
Other community/local reference	Metropolitan Sewer District	Mr. Mike Cappel	513-557 7000

\* \* United waste water is a privately owned and operated small company of less than 50 employees. Due to this fact, we do not belong to any chamber of commerce organizations or participate in any extended community outreach programs.

Attachment

DJW  
11/17/00

Baseline for Metal Values in mg/l  
(Based on 2000 Reports)

	Nickel	Chromium	Copper	Lead	Mercury	Zinc	Cadmium
January	0.152	0.031	0.01	0.052	<0.0004	1.21	<0.01
February	0.226	<0.02	<0.02	0.022	<0.002	0.208	<0.02
March	0.113	<0.01	<0.01	0.041	<0.0008	1.08	<0.01
April	0.388	0.066	0.064	0.918	<0.0002	3.13	<0.01
May	0.579	0.032	0.032	0.047	<0.0004	7.12	<0.02
June	0.127	<0.01	<0.01	0.019	<0.001	0.382	<0.01
July	0.400	<0.01	0.212	<0.01	<0.0002	2.77	<0.01
August	9.9	0.031	0.067	<0.01	<0.001	0.726	<0.01
September	0.660	0.156	0.415	0.086	<0.0001	1.69	<0.01
October	0.432	2.4	0.572	0.328	<0.0002	2.43	<0.02